INTERNATIONAL SEARCH REPORT

Ini onal Application No Poir IB2004/052654

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H02M3/335 H02M3/28

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 HO2M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
Α	US 5 130 561 A (ELLIOTT ET AL) 14 July 1992 (1992-07-14) column 1, lines 5-9 column 2, line 48 - column 3, line 8 figure 2	1-22		
A	US 5 369 564 A (CHOI ET AL) 29 November 1994 (1994-11-29) column 1, lines 21-32 figure 3	1-22		
A	US 6 031 747 A (ILIC ET AL) 29 February 2000 (2000-02-29) column 4, line 61 - column 5, line 15 figures 3,4	1-22		

Further documents are listed in the continuation of box C.	Patent family members are listed in annex.		
Special categories of cited documents: A* document defining the general state of the art which is not considered to be of particular relevance E* earlier document but published on or after the International filing date L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) O' document referring to an oral disclosure, use, exhibition or other means P* document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family		
Date of the actual completion of the international search	Date of mailing of the international search report		
23 February 2005	03/03/2005		
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk	Authorized officer		
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT						
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A	US 5 508 903 A (ALEXNDROV ET AL) 16 April 1996 (1996-04-16) column 2, lines 45-54 figures 3A,B		1-22			
A	BATCHVAROV J S ET AL: "Interleaved converters based on hysteresis current control" POWER ELECTRONICS SPECIALISTS CONFERENCE, 2000. PESC 00. 2000 IEEE 31ST ANNUAL 18-23 JUNE 2000, PISCATAWAY, NJ, USA, IEEE, vol. 2, 18 June 2000 (2000-06-18), pages 655-661, XP010518737 ISBN: 0-7803-5692-6 cited in the application pages 655-656		1,2			

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US 6031747	A	29-02-2000	US	6292933 B1	18-09-2001
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